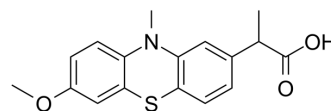


Protizinic acid

Cat. No.:	HY-106555
CAS No.:	13799-03-6
Molecular Formula:	C ₁₇ H ₁₇ NO ₃ S
Molecular Weight:	315.39
Target:	Phospholipase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Protizinic acid is an orally active non-steroidal antiinflammatory agent with antiinflammatory and antipyretic activity. Protizinic acid inhibits phospholipase A2 (PLA2) activity, and the IC ₅₀ value is 210 μM ^{[1][2]} .
IC₅₀ & Target	PLA2 210 μM (IC ₅₀)
In Vitro	Protizinic acid not only inhibits the in vitro generation of leukokinin but also antagonizes to it on the receptor site of leukokinin ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	In vivo leukokinin (LK) generation system using feline acute ischemia model, When 3 mg/kg Protizinic acid is injected twice intravenously to cats with acute cardiac ischemia, increased blood acid protease activity is inhibited and significant inhibitory action on the decrease of leukokininogen, the precursor of leukokinin, is observed ^[1] . Oral administration of 30 mg/kg of Protizinic acid significantly inhibits arachidonic acid-induced erythema in guinea pigs ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. K Suzuki, et al. Effects of protizinic acid on leukokinin generation and its physiological action. Agents Actions. 1984 Jun;14(5-6):699-706.

[2]. H Ohnishi, et al. Effects of protizinic acid on the prostaglandins system and the production of oxygen radicals. Nihon Yakurigaku Zasshi. 1982 Jun;79(6):561-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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